

AMENDMENTS TO THE SPECIFICATION:

On page 1, between the title and line 1 of the specification, please add the following heading:

BACKGROUND

On page 2, between lines 10 and 11, please add the following heading:

SUMMARY OF INVENTION

On page 6, between lines 3 and 4, please add the following heading:

BRIEF DESCRIPTION OF DRAWINGS

Please replace the paragraph beginning at page 6, line 9, with the following amended paragraph:

Figure 3, is a radial section showing essentially a sidewall and a bead of a modification with respect to the embodiment of Figure 1[.]; and

Please add the following new paragraph at page 6, between lines 10 and 11:

Figure 4, a radial section showing a modification of the reinforcement structure.

On page 6, before line 11, please add the following heading:

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Replace the paragraph beginning at page 7, line 15, with the following amended paragraph:

The tire further comprises a carcass-type reinforcement structure 10 comprised of a main reinforcement structure 10' and a secondary reinforcement structure 11. Both reinforcement structures 10' 11 are provided with reinforcements advantageously configured in a substantially radial arrangement. This structure can be contrived to be continuous from one bead to the other, passing through the sidewalls and the crown of the tire, or again it may comprise two or more parts arranged for example along the sidewalls without covering the entire crown.

Replace the paragraph beginning at page 8, line 9, with the following amended paragraph:

The radially inner end portions of the main reinforcement structure **[10]** 10' cooperate with the cord windings. Thus anchoring of these portions in the beads is obtained. In order to promote this anchoring, the space between the circumferential cords and the reinforcement structure is occupied by a rubber bonding or anchoring mix 60. The use of plural mixes having different features defining different zones may also be provided, the combinations of mixes and resulting arrangements being virtually unlimited. It is however advantageous to provide the presence of a mix with a high modulus of elasticity in the intersection zone between the cord arrangement and the reinforcement structure, thus forming a main anchoring zone 20. By way of non-limiting example, the modulus of elasticity of such a mix may reach or even exceed 15 Mpa, and even in some cases reach or exceed 40 Mpa.

Please replace the paragraph beginning at page 8, line 21, with the following amended paragraph:

The arrangements of circumferential cords may be contrived and manufactured in various ways. For example, a batch may advantageously consist of a single cord wound (substantially at zero degrees) in a spiral in plural radially spaced turns, preferably from the smallest diameter to the largest. A batch may also be formed of a plurality of concentric cords placed one inside another, so that radially spaced rings of progressively increasing diameters are superimposed one on another. It is not necessary to add a rubber mix in order to effect impregnation of the cord reinforcement or circumferential windings of cord.

Replace the paragraph beginning at page 9, line 1, with the following amended paragraph:

In the example in Figure 1, on each side of the reinforcement structure the bead comprises an arrangement of anchoring cords formed of juxtaposed batches of cords disposed on either side of the main reinforcement structure [10] 10'. They are advantageously disposed immediately next to the reinforcement structure[.]. The structure shown in Figure 1 is particularly simplified and simple to realise. Some stresses of the reinforcement structure are transmitted to the windings at zero degrees via the mix 60.

Replace the paragraph beginning at page 9, line 20, with the following amended paragraph:

In the various examples illustrated in the Figures, the secondary anchoring zone takes the form of at least one cord ~~alignment or alignment of reinforcing cords~~

batch 31 disposed near or immediately next to [a] the secondary reinforcement structure portion 11.

Replace the paragraph beginning at page 9, line 24, with the following amended paragraph:

The ~~alignment~~ batch 31 may advantageously be formed of a single cord wound in a spiral, preferably from the smallest diameter to the largest. A batch may also be formed of plural concentric cords placed one inside another. In Figure 1, the alignment is disposed substantially at zero degrees.

Replace the paragraph beginning at page 10, line 16, with the following amended paragraph:

The secondary reinforcement structure 11 of the tire may take various forms, according to the particular case. Preferably, the structure portion extends from the rim protector to a portion of the sidewall located radially outwardly. According to a first advantageous example, the secondary reinforcement structure 11 extends from one sidewall of the tire to the other along a meridian path substantially adjacent to that of the first carcass-type reinforcement structure. In such a case, the two reinforcement structures of the tire are side-by-side along a portion of their path, then, at a certain radial position along the sidewall, the secondary structure 11 separates from the main structure [10] 10' and extends towards the rim protector 70, where its end portion is anchored in the secondary anchoring zone 30.

Replace the paragraph beginning at page 11, line 1, with the following amended paragraph:

According to another advantageous embodiment, shown in Fig. 4, the secondary reinforcement structure [11] 11a consists of a plurality of carcass-type reinforcement structures of limited circumferential length, whose axial position separates from the two other adjacent integral circumferential portions 10a from the sidewall towards the rim protector. In this example, the circumference of the tire is subdivided into main zones where some portions 10a of a single reinforcement structure [10] 100 are anchored in the bead, and other secondary zones where the structure [10] 100 separates to form the secondary structure [11] 11a, the structure [11] 11a being then anchored in the rim protector. These main and secondary zones are preferably disposed alternately along the tire circumference. This example therefore gives rise to a circumferential alternation of zones where the structure now separates from the sidewall at a given point in order to form the main and secondary reinforcement structures [10] 10a and [11] 11a, respectively, and now the structure [10] 10a extends towards the bead until it is anchored therein.

Replace the paragraph beginning at page 11, line 14, with the following amended paragraph:

In the first of these two embodiments (Figs. 1-3), the tire has two reinforcement structures, one anchored in the beads, the other anchored in the rim protector. In the second embodiment (Fig. 4), the structure [11] 11a extends from the rim protector and joins the structure [10] 10a at a certain radial position along the sidewall in order to form, starting from this point of imbrication, one single structure 100 extending preferably as far as a symmetrical point of disimbrication in the other

sidewall. In this case, the secondary reinforcement structure [11] 11a cooperates with the first main reinforcement structure 10a.

Replace the paragraph beginning at page 11, line 26, and ending on page 12, line 2, with the following amended paragraph:

Figure 3 shows a modification of the embodiment of Figure 1, wherein a plurality of circumferential windings 90 extend between the bead of one part and the zone where the structures [10] 10' and 11 converge. In a first radially inner portion, the windings are immersed in a rubber anchoring mix 60, whereas in a radially outer zone, the windings 90 are disposed in a sidewall mix 62, whose modulus of elasticity is advantageously lower than that of the anchoring mix 60.